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TECH CENTER 1600/2900

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ENTERED (P#1) 1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/036,111

DATE: 08/12/2002
TIME: 15:28:51

Input Set : A:\1-1166.ST25.txt
Output Set: N:\CRF4\08122002\J036111.raw

3 <110> APPLICANT: Peters, Stefan
4 Leipert, Dietmar
5 Park, John Edward
6 Lenter, Martin
7 Garin-Chesa, Pilar
9 <120> TITLE OF INVENTION: FAP-activated anti-tumor compounds
11 <130> FILE REFERENCE: 1/1166
13 <140> CURRENT APPLICATION NUMBER: US 10/036,111
14 <141> CURRENT FILING DATE: 2001-11-09
16 <150> PRIOR APPLICATION NUMBER: US 60/262,281
17 <151> PRIOR FILING DATE: 2001-01-17
19 <150> PRIOR APPLICATION NUMBER: GB 0027551.1
20 <151> PRIOR FILING DATE: 2000-11-10
22 <160> NUMBER OF SEQ ID NOS: 10
24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 9
28 <212> TYPE: PRT
29 <213> ORGANISM: Artificial Sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: aminoalkanoyl or oligopeptidoyl group
W--> 34 <221> NAME/KEY: MOD_RES
35 <222> LOCATION: 1
36 <223> OTHER INFORMATION: Xaa = imidazole
W--> 38 <221> BINDING
39 <222> LOCATION: 1
40 <223> OTHER INFORMATION: Amino acid 1 is attached by a capping group from
41 benzoyloxycarbonyl, phenylacetyl,
42 phenylmethylsulfonyl, benzylaminocarbonyl,
43 pyridinyloxycarbonyl, pyridinylacetyl,
W--> 44 pyridinylmethylsulfonyl and
W--> 45 pyridylmethylaminoacrbonyl
W--> 47 <221> VARIANT
48 <222> LOCATION: 2, 3, 4, 5, 6, 7
49 <223> OTHER INFORMATION: Xaa = any amino acid and up to five can be missing
W--> 51 <400> 1
W--> 52 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ala Gly
53 1 5
56 <210> SEQ ID NO: 2
57 <211> LENGTH: 9
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:

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62 <223> OTHER INFORMATION: aminoalkanoyl or oligopeptidoyl group
W--> 64 <221> NAME/KEY: BINDING
65 <222> LOCATION: 1
66 <223> OTHER INFORMATION: Amino acid 1 is attached by a capping group from
67     benzoyloxycarbonyl, phenylacetyl,
68     phenylmethylsulfonyl, benzylaminocarbonyl,
69     pyridinyloxycarbonyl, pyridinylacetyl,
W--> 70     pyridinylmethylsulfonyl and
W--> 71     pyridylmethylaminocarbonyl
W--> 73 <221> VARIANT
74 <222> LOCATION: 1, 2, 3, 4, 5, 6
75 <223> OTHER INFORMATION: Xaa = any amino acid and up to five can be missing
W--> 77 <221> MOD_RES
78 <222> LOCATION: 2, 7
79 <223> OTHER INFORMATION: Xaa = imidazole
W--> 81 <400> 2
W--> 82 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ala Gly
83 1 5
86 <210> SEQ ID NO: 3
87 <211> LENGTH: 4
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: aminoalkanoyl or oligopeptidoyl group
W--> 94 <221> NAME/KEY: MOD_RES
95 <222> LOCATION: 1
96 <223> OTHER INFORMATION: Xaa = thiazole and is attached by
97     benzyloxycarbonyl
W--> 99 <221> BINDING
100 <222> LOCATION: 4
101 <223> OTHER INFORMATION: Amino acid 4 is attached by OH
W--> 103 <400> 3
W--> 104 Xaa Ala Gly Pro
105 1
108 <210> SEQ ID NO: 4
109 <211> LENGTH: 4
110 <212> TYPE: PRT
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: aminoalkanoyl or oligopeptidoyl group
W--> 116 <221> NAME/KEY: MOD_RES
117 <222> LOCATION: 1
118 <223> OTHER INFORMATION: Xaa = thiazole and is attached by pyridin-3-
119     ylmethoxycarbonyl
W--> 121 <221> BINDING
122 <222> LOCATION: 4
123 <223> OTHER INFORMATION: Amino acid 4 is attached by OH
W--> 125 <400> 4
W--> 126 Xaa Ala Gly Pro

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127 1
130 <210> SEQ ID NO: 5
131 <211> LENGTH: 4
132 <212> TYPE: PRT
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: aminoalkanoyl or oligopeptidoyl group
W--> 138 <221> NAME/KEY: MOD_RES
139 <222> LOCATION: 1
140 <223> OTHER INFORMATION: Xaa = thiazole and is attached by
141     benzyloxycarbonyl
W--> 143 <221> BINDING
144 <222> LOCATION: 4
145 <223> OTHER INFORMATION: Amino acid 4 is attached by doxorubicin
W--> 147 <400> 5
W--> 148 Xaa Ala Gly Pro
149 1
152 <210> SEQ ID NO: 6
153 <211> LENGTH: 5
154 <212> TYPE: PRT
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: aminoalkanoyl or oligopeptidoyl group
W--> 160 <221> NAME/KEY: MOD_RES
161 <222> LOCATION: 1
162 <223> OTHER INFORMATION: Xaa = thiazole and is attached by
163     benzyloxycarbonyl
W--> 165 <221> MOD_RES
166 <222> LOCATION: 5
167 <223> OTHER INFORMATION: Xaa = 7-amino-4-methyl-coumarin-acetic acid and is
168     attached by OH
W--> 170 <400> 6
W--> 171 Xaa Ala Gly Pro Xaa
172 1 5
175 <210> SEQ ID NO: 7
176 <211> LENGTH: 5
177 <212> TYPE: PRT
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: aminoalkanoyl or oligopeptidoyl group
W--> 183 <221> NAME/KEY: MOD_RES
184 <222> LOCATION: 1
185 <223> OTHER INFORMATION: Xaa = imidazole and is attached by
186     benzyloxycarbonyl
W--> 188 <221> MOD_RES
189 <222> LOCATION: 5
190 <223> OTHER INFORMATION: Xaa = 7-amino-4-methyl-coumarin-acetic acid
W--> 192 <400> 7
W--> 193 Xaa Ala Gly Pro Xaa

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Input Set : A:\1-1166.ST25.txt

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194 1 5
197 <210> SEQ ID NO: 8
198 <211> LENGTH: 5
199 <212> TYPE: PRT
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: aminoalkanoyl or oligopeptidoyl group
W--> 205 <221> NAME/KEY: MOD_RES
206 <222> LOCATION: 1
207 <223> OTHER INFORMATION: Xaa = thiazole and is attached by
208 benzyloxycarbonyl
W--> 210 <221> MOD_RES
211 <222> LOCATION: 5
212 <223> OTHER INFORMATION: Xaa = 7-amino-4-methyl-coumarin-acetid acid
W--> 214 <400> 8
W--> 215 Xaa Ala Gly Pro Xaa
216 1 5
219 <210> SEQ ID NO: 9
220 <211> LENGTH: 4
221 <212> TYPE: PRT
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: aminoalkanoyl or oligopeptidoyl group
W--> 227 <221> NAME/KEY: MOD_RES
228 <222> LOCATION: 1
229 <223> OTHER INFORMATION: Xaa = thiazole and is attached by
230 benzyloxycarbonyl
W--> 232 <221> BINDING
233 <222> LOCATION: 4
234 <223> OTHER INFORMATION: Amino acid 4 is attached by melphalan
W--> 236 <400> 9
W--> 237 Xaa Ala Gly Pro
238 1
241 <210> SEQ ID NO: 10
242 <211> LENGTH: 4
243 <212> TYPE: PRT
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: aminoalkanoyl or oligopeptidoyl group
W--> 249 <221> NAME/KEY: MOD_RES
250 <222> LOCATION: 1
251 <223> OTHER INFORMATION: Xaa = thiazole and is attached by
252 benzyloxycarbonyl
W--> 254 <221> BINDING
255 <222> LOCATION: 4
256 <223> OTHER INFORMATION: Amino acid 4 is attached by OH
W--> 258 <400> 10
W--> 259 Xaa Ala Gly Pro
260 1

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/036,111

DATE: 08/12/2002
TIME: 15:28:52

Input Set : A:\1-1166.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,4,5,6,7
Seq#:2; Xaa Pos. 1,2,3,4,5,6,7
Seq#:3; Xaa Pos. 1
Seq#:4; Xaa Pos. 1
Seq#:5; Xaa Pos. 1
Seq#:6; Xaa Pos. 1,5
Seq#:7; Xaa Pos. 1,5
Seq#:8; Xaa Pos. 1,5
Seq#:9; Xaa Pos. 1
Seq#:10; Xaa Pos. 1

VERIFICATION SUMMARY

DATE: 08/12/2002

PATENT APPLICATION: US/10/036,111

TIME: 15:28:52

Input Set : A:\1-1166.ST25.txt

Output Set: N:\CRF4\08122002\J036111.raw

L:34 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:38 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:44 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:45 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:47 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:51 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:64 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:70 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:71 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:73 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:77 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:81 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:94 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:99 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:103 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:116 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:121 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:125 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:138 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:143 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:147 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:160 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:165 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:170 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:183 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:188 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:7
L:192 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:7
L:193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:205 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:210 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:8
L:214 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:8
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:227 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:232 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:9
L:236 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:9
L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:249 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:254 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:10
L:258 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:10
L:259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0